Index to 1978

This year's index has been split into two parts. The first part, starting on this page and ending on page 75 deals with all editorial items excluding Products, which appear on pages 75, 76 and 77. N.B. The month is followed by the page number. (N) indicates a news item.

Accommodation, temporary site
  review of products available Apr 45
Africa
  airport modernisation, Nigeria May 12(N)
  bank opened, Gambia Apr 10(N)
  hotel and process plant contracts awarded, Cameroons Apr 12(N)
  labour intensive construction for developing countries Mar 23
  pumped storage scheme, South Africa Feb 12
  road and airfield contracts awarded, Nigeria Apr 12(N)
  survey for Sudan-Kenya highway Jan 11(N)
  see also Middle East for North Africa
Aggregates
  extraction, cost saving equipment Oct 8(N)
  meeting increased demand in Kent Nov 69
  processing equipment Oct 13(N)
  exported to the Middle East Dec 8(N)
Airports
  contracts awarded, Nigeria Apr 12(N) May 12(N)
  contracts awarded for Queen Alia, Jordan Oct 65
  demolition and modernisation at Gatwick Dec 11(N)
Aluminium
  corrosion prevention in marine environments Feb 39
  welding Aug 57
Anchors
  design of resin anchor systems Oct 71, Dec 61
  design of sea anchors Sep 83
Asbestos
  as an additive to asphalt May 69
Asia
  hydro-electric power for nickel processing, Indonesia Feb 9(N)
  Indus Super Highway, Pakistan Jan 12
  pipelaying, oil and gas field, India Feb 9(N)
  pipeline transport system for goods, Japan Apr 12(N)
  platform order, India Feb 9(N)
  repairs to Bangladesh dry dock under construction Apr 12(N)
  transport study, commissioned, Hong Kong Aug 15(N)
  tunnel expansion feasibility study, Hong Kong Aug 15(N)
  see also Exports, Middle East
Asphalt
  additives to improve performance May 67
  effect of expenditure cuts on the industry Jun 7, 23
Australia
  alternative fuel sources demonstrated for car engines Jan 11(N)
  coal-fired power station to be constructed, Victoria Jan 11(N)
  container port planned, Melbourne Feb 9(N)
  development plans for North West Shelf oil and gas fields Feb 17
  Melbourne orbital motorway planned Jan 11(N)
  survey contracts awarded for offshore gas pipeline Jan 11(N)
  Tasmania investigates hydro-electric power Mar 19
  underground railway construction, Melbourne Feb 9(N)
  West Gate Bridge nearing completion Apr 12(N)
Awards
  ECCS Design Awards 1978 Nov 13(N)
  Eurofama 2000 awarded for waffle moulds Oct 13(N)

Blasting
  to form water supply trench, Bahrain Oct 13(N)
  cooling tower demolition Jan 6(N)
Bricks
  diaphragm wall research Nov 10(N)
Bridges
  Bailey Bridge system specification improved Jun 13(N)
  bearing pressures on bridge footings Jan 9(L)
  BS5400, new limit state standard Sep 13(N)
  concrete cable stayed rail bridge for M25 Jun 16
  cost-saving foundation design, Australia Jan 81(N)
  design influence of Tyne on Sydney Jan 9(L) Mar 10(L)
  foundation problems on Rande Bridge, Spain Dec 14
  Humber Bridge walkways Aug 17(N)
  prestressed white concrete, for M25 Runnymede Dec 8(N)
  rebuilding Swansea viaduct Jun 11(N)
  temporary footbridge erected in one day Nov 15(N)
  West Gate nearing completion, Australia Apr 12(N)
  see also Roads
Building
  bank completed, Gambia Mar 10(N)
  BRE report on corrosion in Intergrid buildings Oct 8(N)
  Cairo Airport Hotel to be constructed Jan 11(N)
  computer aided design, research Apr 9(N)
  concrete structures on inflatable formwork Sep 73
  design award for Nat West Tower Nov 13(N)
  district centre design contract awarded, Kuwait May 12(N)
  extension to award winning building opened, USA Dec 9(N)
  fireproofing methods for steelwork Aug 41
  Glasgow art centre contract awarded Apr 9(N)
  glass reinforced cement cladding for computer centre Nov 10(N)
  Gulf Hotel piling contract awarded, Abu Dhabi May 12(N)
  high-speed precast floor laying May 10(N)
  hoists, labour time savings Jun 43
  large span wooden roof trusses for supermarket Nov 15(N)
  National Concert Hall for Wales under construction Dec 13(N)
  NHBC campaign for better house foundations Feb 7(N)
  office block contract awarded, Trinidad Jun 11(N)
  precast element for Cheltenham grandstand Dec 13(N)
  prefab office contract completed, Venezuela Aug 17(N)
  projects in the Middle East Oct 60
  safe working on roofs Dec 8(N)
  steel inspection covers for computer room floor, Kuwait May 12(N)
  Tunisian university contract awarded Apr 12(N)
  vibration isolation in Camden housing development Dec 11(N)
  VW HQ completed, Milton Keynes Oct 8(N)
Building Defects
  PSA feedback system Sep 11(N)

Chimney
  slipformed for Bulls Bridge power station Jan 6(N)
Cladding
  glass reinforced cement for computer centre Nov 10(N)
Coastal protection
  cliff erosion prevented, Isle of Sheppey Sep 9(N)
  concrete "wave back" to protect railway, Folkestone Dec 8(N)
  erosion damages Sunderland pier Sep 13(N)
  plant to make piling easier Oct 11(N)
  see also Flood Defences
Compaction
  methods of achieving, using vibratory plant May 23
  selecting vibratory plant for various purposes Nov 63
Computers
  consultant's experience with and benefits from Nov 26
  computer controlled underwater inspection system Aug 13(N)
  design of buildings, research Apr 3(N)
  for decision making Nov 31

steel inspection covers for computer room floor, Kuwait May 12(N)
water supply systems, design and control Mar 33
Concrete
admixtures, review of all types Sep 45
bolted anchorages in, research Mar 63
BRE report on corrosion in prestressed concrete integrid buildings Oct 8(N)
design of very slender reinforced concrete columns Nov 70
glass fibre reinforced concrete cladding Nov 10(N)
glass fibre reinforced concrete pipes, cost savings Jun 63
protection in marine environments Feb 43
pumping technology developments Sep 33
pumping underwater for pier repair Sep 13(N)
repairs to dry dock under construction, Bangladesh Apr 12(N)
selecting vibratory plant Nov 63
self-loading mixers, contractors appraisal Sep 43
vibrating and handling, effects on finished product and construction sequence Sep 60
waterproofing methods May 57
see also Formwork
Construction Materials
see Aggregates, Aluminium, Asbestos, Asphalt, Bricks, Concrete, Fabrics, Fixings, Insulation, Lubricants, Plastic, Steel, Timber
Contract Administration
mobilising and maintaining plant in the Middle East Oct 41
PR exercise on hospital contract, Barrow in Furness Sep 11(N)
project management in the Middle East Apr 23
sources of finance for international contractors Oct 45
see also Accommodation, Materials Handling, Management
Corrosion prevention
BRE report on Integrid system Oct 8(N)
on offshore structures Feb 39
for steelwork Aug 47
waterproofing concrete May 57
Damp proofing
see Waterproofing
Dams
see Reservoirs
Demolition
cooling tower by explosives Jan 6(N)
cooling tower, inclined hoists used Dec 13(N)
Design techniques
for developing countries Mar 23
see also under subject headings eg Foundation, Geotechnics, Computers, Building, etc
Dewatering
methods of groundwater control and their application Dec 42
Selby mine drifts May 10(N)
wick drains to speed highway embankment construction Mar 27, Aug 28
Diaphragm walling
improved excavation system Jun 27
see also Bricks
Direct Labour
ACMA view Nov 11(N)
Diving
work inland Mar 17
Docks
see Port construction and maintenance
Drainage
see Dewatering, Pipes, Sewers
Dredging
hoverport contract completed, Dover Mar 6(N)
semi-submersible sea going dredger to be operational 1979 Apr 11(N)
see also Port construction and maintenance
Economic situation
ACMA on government cutbacks Jun 7(N)
effects on the blacktop industry Jun 23
effects on the plant hire industry May 39
National Council of Building Material Producers predictions Jan 13
prospects for the steelwork industry Aug 18(N)
Electric power.
cars demonstrated, Australia Jan 11(N)
see also Power Stations
Electro-magnetic location
see surveying
Energy
conservation using thermography Aug 25
from sludge gas in sewage works May 61
hydro-electric power, Tasmania Mar 19
ICE presidential speech May 6(N)
in transport Jan 11(N)
nuclear power station, world's largest, Canada Nov 16
plea for alternative sources Apr 6(N)
South Africa pumped storage scheme, South Africa Feb 12
see also Offshore working, Power Stations
Engineering profession
EPC submission to Finniston Feb 7(N)
ICE submission to Finniston Feb 7(N)
Estimating
see Measured Rates
Europe
container facilities to be improved, Italy Feb 9(N)
container terminal planned, Poland Jan 11(N)
dam and aqueduct to be constructed, Italy Feb 9(N)
diamond drilling to reinforce church foundations, Netherlands Feb 9(N)
electric transmission system planned, Yugoslavia Feb 9(N)
extension to dock facilities, France Jan 11(N)
gasfield development, Italy Jan 11(N)
marshalling yards, dredging and roads planned, Netherlands Feb 9(N)
268 m long prefab tunnel sections for rail tunnel, Netherlands Nov 11(N)
Rande Bridge, Spain Dec 14
rock tunnelling for metro project, Finland Jan 11(N)
tanker ballast water treatment, France Feb 9(N)
see also Exports
Exhibitions
Acrow World Convention Oct 8(N)
Cairo International Fair Jun 13(N)
first Corrosion Exhibition Aug 47
Public Works Sep 20, Oct 21, Nov 35
Explosives
see Blasting
Exports
Acrow forecasts Oct 8(N)
advice on development to Venezuela Dec 8(N)
bitumen handling equipment to Sudan Oct 15(N)
building materials production equipment to Oman Dec 8(N)
crushing plant to Saudi Arabia Oct 13(N)
dozer order to South Korea Oct 13(N)
dumptrucks to Fiji Oct 11(N)
economic and market prospects in the Middle East Oct 33
freighting to the Middle East Apr 53
grouting compound to Hong Kong Nov 13(N)
offshore site investigation contract awarded, Iran Oct 9(N)
overseas contract figures Apr 11(N)
prefabricated buildings to Venezuela Aug 17(N)
problems and opportunities for scaffold export Jan 27, 35
site accommodation for overseas environments Apr 45
steel order for Abu Dhabi jetty construction Dec 8(N)
steelwork industry Aug 18, 31
steelwork order figures Mar 8(N) Sep 8(N)
tunnel shield to Sicily Aug 17(N)
tunnel shutters for Hong Kong metro Jun 9(N)
used plant to Saudi Arabia Nov 15(N)
working in the Middle East Apr 23
overseas news pages Jan 11, Feb 9, Apr 12, Jun 13
see also Africa, Asia, Europe, South America
Fabrics
types properties and uses in construction Dec 47
used in wick drains to speed embankment settlement Mar 27
Failures
dry dock under construction, Bangladesh Apr 12(N)
NHBC and house foundations Feb 7(N)
PSA feedback system for building defects Sep 11(N)
Finance
ARC annual report Nov 10(N)
sources for international contractors Oct 45
see also Exports
Fireproofing
for steel structures Aug 41
Fibre reinforced concrete and cement
see Concrete
Fixings
bolted anchorages in concrete, research Mar 63
design of resin anchor systems Oct 71 Dec 61
Flood defences
contract awarded, Thames May 8(N)
lifting gear, Thames Barrier May 8(N)
pumping operations, Thames Barrier Sep 13(N)
sea wall construction, Felixstowe Sep 16
see also Coastal Protection
Formwork and Falsework
Bulls Bridge power station chimney slipformed Jan 6(N)
finish, accuracy and ease of construction, a discussion of these factors Sep 51
inflatable formwork for structures Sep 73
influence of the formwork engineer on world construction Jan 39
sliding forms for vertical shafts, South Africa Feb 12
tunnel shutters exported for

Hong Kong metro Jun 9(N)
see also Scaffolding
Foundations
bearing pressures on bridge footings Jan 9(L)
design of eccentrically loaded shallow footings May 67
design on soft bedrock, cost savings Jan 11(N)
diamond drilling to reinforce church foundations Mar 8(N)
diaphragm walling, improved excavation system Jun 27
NHBC campaign for better house foundations Feb 7(N)
problems with Rande Bridge, Spain Dec 14
vibration isolation for Camden housing development Dec 11(N)
see also Geotechnics, Piling

Gas
see also Offshore working
Geotechnics
Association of Ground Investigation Specialists, progress Dec 19
bearing pressures on bridge footings Jan 9(L)
compaction by vibration May 23
contaminated land investigation for the GLC Oct 8(N)
design of resin anchor systems Oct 71
dewatering Selby mine drifts May 10(N)
dynamic consolidation for Docklands redevelopment Dec 11(N)
dynamic consolidation for sewage works Oct 14
fabric wrapped wick drains to speed embankment settlement May 27, Aug 28
groundwater control, methods and their uses Dec 42
grouting techniques, factors influencing their application Dec 21
offshore site investigation, Iran Oct 8(N)
PFA grouting for old mine workings, Tyne and Wear Aug 15(N)
properties of peat and effects on road construction Jan 45, Feb 49
river bed soils investigation for water pipeline Aug 17(N)
shaft sinking contracts awarded, Selby coalfield Dec 13(N)
site investigation contract awarded, Abu Dhabi Jun 9(N)
survey practice for offshore platform sites Feb 26
vibroflotation, experience with the technique in Manchester Mar 29
see also Foundations, Piling
Government expenditure cuts
see Economic situation
Grouting
see Geotechnics
Highways
see Roads
Hoist
see Materials handling
Insulation
cellular glass used for low temperature pipe insulation, North Sea Jun 67
checking by thermography Aug 25
ethylene plant insulation contract awarded, Yugoslavia Jun 13(N)
methods of fireproofing steelwork Aug 41
Insurance
for overseas contracting Oct 45
Land reclamation
for Boston sewage treatment works Apr 14
see also Dredging, Port construction and maintenance
Lasers
for surveying and setting out Dec 30
Lighting
mobile for site work, Bahrain Oct 13(N)
Lubricants
disinfectant pipe jointing lubricant Jun 67
Management
decision making by computer Nov 31
labour intensive construction for developing countries Mar 25
see also Contract administration
Marine engineering
see Offshore working
Materials
see Construction Materials
Materials handling
developments in working with forklifts Jun 29
hoists, labour savings quantified Jun 43
inclined hoists for cooling tower demolition Nov 13(N)
self-loading concrete mixers, contractor's appraisal Sep 43
tower cranes, market changes Jun 41
see also Concrete, Aggregates
Materials testing
see Testing
Measured Rates Jan 50, Apr 57, Aug 63, Nov 76

Middle East
Arabic language courses Oct 11(N)
building contract awarded, Tunisia Apr 12(N)
construction market research Feb 9(N)
construction of new harbour, Dubai Apr 33
crane hire joint venture set up Sep 9(N)
development of new harbours, Sharjah Apr 39
district centre design contract awarded May 12(N)
dredging for new port, Iran Feb 9(N)
drydock test, Dubai Sep 11(N)
earthworks, Jeddah to Mecca highway Oct 11(N)
economic background and market prospects in each country Apr 23, Oct 33
hotel planned, floating dock contract awarded, Egypt Jan 11(N)
mapping contract awarded, Saudi Arabia Aug 15(N)
mobilising and maintaining plant Oct 41
piled harbour wall, new technique, Dubai Oct 17
piling contract awarded, Abu Dhabi May 12(N)
project management Apr 23
projects under construction Oct 60
railway feasibility study, Libya Nov 15(N)
reservoir contract awarded, Saudi Arabia Apr 12(N)
road contract awarded, Sudan Mar 8(N)
scaffolding export achievement Jun 13(N)
search for water resources, Algeria Feb 9(N)
shipping service extended Jun 13(N)
site accommodation for Apr 45
site investigation contract awarded, Abu Dhabi Jun 9(N)
sources of finance for contractors Oct 45
subsea water pipeline laid by towing method, Turkey Sep 8(N)
Suez tunnel start Mar 10(N)
transport to Apr 53
water supply trench blasted under floodlights, Bahrain Oct 13(N)
water treatment Oct 55
working and living conditions for ex-patriates Oct 39
see also Exports
Mining
services to the industry May 12(N)
see also Geotechnics, Tunnelling
Motorways
see Roads
Nationalisation Feb 6, Aug 18, Sep 9

Natural Gas
see Offshore Working
North America
USA, new dealership for British welding equipment firm Jun 13(N)
see also Nuclear power
Nuclear Power
world's largest complex, Canada Nov 16
Offshore working
computer controlled underwater inspection system Aug 13(N)
corrosion, developments in prevention Feb 39
gas and oilfield development in Western Australia Feb 17
gasfield development, Italy Jan 11(N)
gas pipeline contract awarded, Argentina Apr 11(N)
geotechnical investigation practices for platform sites Feb 26
piling with compressed air hammers, cost savings Feb 35
pipelaying, Argentina gasfield Feb 9(N)
pipelaying by the bottom tow method Feb 23, Sep 8(N)
pipelaying, oil and gasfield, India Feb 9(N)
platform design, tension leg Feb 19
platform fabricators joint venture Aug 15(N)
platform order, India Feb 9(N)
projects in the Middle East Oct 60
safety Feb 25
sea bed anchor developments Sep 83
sea going dredger to be launched Apr 11(N)
site investigation contract awarded, Iran Oct 9(N)
submersible, GRP, market for Apr 9(N)
survey for gas pipeline, Australia Jan 11(N)
see also Port construction
Overseas working
see continent headings and contract administration
Paints
see Corrosion prevention
Petroleum
see Offshore working
Pipes and pipelaying
glass fibre reinforced concrete, cost savings Jun 63
insulation of low temperature pipes Jun 67
jointing, mechanised systems Jun 67
laying and bedding of concrete pipes Jun 47
soils investigation for river bed water pipe Aug 17(N)
testing, review of non-destructive methods Jun 55
transporting goods by pipeline, Japan Apr 12(N)

underwater laying by bottom tow method Feb 23
welding Aug 53
see also Offshore working, Sewers, Water supply
Pipeline maintenance
checking by thermography Aug 25
Piling
compressed air operated hammers, cost savings Feb 35
current research by DoE and CIRIA Piling Group Dec 35
Gulf Hotel contract awarded, Abu Dhabi May 12(N)
new equipment for more efficient driving Feb 46
pile clutch solution, harbour wall Dubai Oct 17
plant for coastal defence work Oct 11(N)
review of current technology Mar 43
steel piles, research on stresses Dec 56
Thamesmead contract awarded Aug 17(N)
Plant
articulated loading shovels and forklift, new May 16
compaction by vibration May 23
concrete pumping, technological
concrete pumping, technological developments Sep 33
concrete vibrating Sep 60
crane hire joint venture, Middle East Sep 9(N)
crane testing centre opened Aug 15(N)
diaphragm wall grabbing cranes, new range Jun 27
excavator, new 5/8 yd³ crawler Feb 15
hire industry, structure, economics and future May 39
hire rates too low May 6(N)
mobilising and maintaining in the Middle East Oct 41
pumping operations, Thames Barrier Project Sep 13(N)
quality of British products Dec 9(N)
safety cab proved Jan 11(N)
selection of vibratory plant for concrete, soils, etc Nov 63
self-loading concrete mixer, contractor's appraisal Sep 4
servicing contract awarded, Yugoslavia May 12(N)
Thames Barrier, purpose built lifting gear May 8(N)
trenchers, specialist pipe trenching machines Jun 53
see also Aggregates, Exports, Materials handling, Piling, Tunnelling
Plastic
as an additive to asphalt May 67
Pollution
contaminated land investigation for the GLC Oct 8(N)
from oil tankers, reduction of, France Feb 9(N)
marine sewage discharge, investigation Aug 13(N)
river pollution modelling with computers Nov 29
sewage sea outfall under construction Oct 11(N)
Port construction and maintenance
concrete pumping under water for pier repairs Sep 13(N)
container facilities to be improved, Italy Feb 9(N)
container terminal completed, Essex Oct 9(N)
container terminal planned, Australia Feb 9(N)
container terminal planned, Poland Jan 11(N)
dredger under construction, semi-submersible Apr 11(N)
dredging underway for new port, Iran Feb 9(N)
drydock tested, Dubai Sep 11(N)
extension of facilities begun, Le Havre Jan 11(N)
floating dock to be constructed, Suez Canal Jan 11(N)
harbour under construction, Dubai Apr 33
harbour under construction, Sharjah Apr 39
hoverport apron completed, Dover Mar 6(N)
marshalling yards dredging and roads planned, Netherlands Feb 9(N)
novel solution to piled harbour wall, Dubai Oct 17
projects in the Middle East Oct 60
repairs to drydock under construction, Bangladesh Apr 12(N)
site investigation contract awarded, Iran Oct 9(N)
steel export to Abu Dhabi for jetty construction Dec 8(N)
Power lines
electric transmission system planned, Yugoslavia Feb 9(N)
Power stations
chimney slipformed, Bulls Bridge Jan 6(N)
coal-fired under construction, Australia Jan 11(N)
demolition, Hams Hall A Jan 6(N)
Dinorwic steelwork contract awarded Jun 11(N)
hydro-electric power investigated, Tasmania Mar 19(N)
hydro-electric power for nickel processing, Indonesia Feb 9(N)
hydro-electric scheme, Fiji Oct 11(N)
nuclear, world's largest, Canada Nov 16
pumped storage scheme, South Africa Feb 12
Project management
see Contract administration, Management
Railways
concrete cable stayed bridge, Lyne Jun 16
feasibility study, Libya Nov 15(N)
marshalling yards planned, Netherlands Feb 9(N)
rebuilding Swansea viaduct Jun 11(N)
transport study commissioned, Hong Kong Sep 11(N)
under canal tunnel under construction, Netherlands Nov 11(N)
see also Tunnelling (for metro projects)
Recycling
materials as asphalt additives May 67
PFA for filling old coal workings Aug 15(N)
Research
anchorages in concrete Mar 63
brick diaphragm wall tests Nov 10(N)
BSC work on stresses in steel piles Dec 56
computer aided building design Apr 9(N)
current work of DoE and CIRIA Piling Groups Dec 35
design of very slender reinforced concrete columns Nov 70
service trench reinstatement research Nov 13(N)
Reservoirs
contracts awarded, Saudi Arabia Apr 12(N)
dam and aquaduct to be constructed, Italy Feb 9(N)
inspection and cleaning Mar 17
Megget Water Scheme Sep 8(N)
pumped storage scheme, South Africa Feb 12
Restoration work
diamond drilling church foundations, Holland Mar 8(N)
SS Great Britain Sep 11(N)
Tower Bridge Oct 13(N)
Riverworks
see Flood Defences
Roads
A3 Burpham-Ladymead Diversion, contract awarded Dec 13(N)
asphalt additives to improve performance May 67
computers, design time savings Nov 27
construction over peat Jan 45, Feb 49
contracts awarded, Nigeria Apr 12(N)
contract awarded, Sudan Mar 8(N)
earthmoving on Jeddah to Mecca Oct 11(N)
fabric wrapped wick drains to speed embankment construction Mar 27, Aug 28
government expenditure cuts Jun 23, Sep 9(N), Nov 11(N)
Indus Super Highway, Pakistan Jan 12
labour intensive construction for developing countries Mar 23
M25 delays Oct 9(N)
M25, Thames crossing Dec 8(N)
M25, rail overbridge Jun 16
North Circular, London, contract awarded Nov 13(N)
repaving on the A1 Apr 16
ring road planned for Melbourne Jan 11(N)
service trench reinstatement research Nov 13(N)
survey for Sudan-Kenya link Jan 11(N)
vibratory plant selection Nov 63
Safety
excavator cab proved Jan 6(N)
Health and Safety: Construction 1976 report Mar 6(N)
modular trench lining Nov 10(N)
offshore Feb 25
on roofs, HSE campaign Dec 8(N)
Scaffolding
access cradles, power operated, on water tower Jan 29
access without ground support, new system Aug 13(N)
export achievement Jun 13(N)
exporting and foreign comparisons Jan 27
hanging access for Tower Bridge Oct 13(N)
National Association of Scaffolding Contractors Jan 19
purchasing, comparisons for Jan 29
safety Jan 19
SS Great Britain Sep 11(N)
systems Jan 18
systems, manufacturer's market appraisal Jan 35
testing Jan 23
Sea Defences
see Coastal protection and Flood defences
Services, Underground
see Underground services
Sewage treatment and disposal
Blanford Main Drainage

Scheme Aug 20
company name change Nov 13(N)
design and construction of Boston Sewage Treatment Works Oct 14
Hampshire Main Drainage Scheme Oct 11(N)
marine discharge, investigation Aug 13(N)
river pollution modelling with computers Nov 29
sludge gas as an energy source May 61
Sewers
contracts awarded Jun 9(N)
emergency repairs, research Nov 13(N)
glass reinforced cement pipes, cost savings Jun 63
The National Assessment May 49, Jun 65
relining, in-situ with polyester lining Jun 45
see also Underground services
Site accommodation
see Accommodation
Slipforming
see Formwork
Soil Mechanics
see Geotechnics
South America
building contract completed, Venezuela Aug 17(N)
electronic distance measurement in the Andes Nov 23
new city and industrial area planned, Venezuela Dec 8(N)
offshore gas pipelaying, Argentina Feb 9(N)
steelwork exported for steel mill, Brazil Sep 8(N)
Steel and steelwork
BCSA, problems and solutions for the industry Aug 31
code of practice to replace BS449 Aug 37
corrosion protection methods Feb 39, Aug 47
Dinorwic contract awarded Jun 11(N)
ECCS award for Nat West Tower Nov 13(N)
export figures Mar 8(N), Sep 8(N)
export for jetty construction, Abu Dhabi Dec 8(N)
fireproofing methods Aug 41
inspection covers for computer room flooring May 12(N
market prospects Aug 18
replacement for Swansea viaduct Jun 11(N)
welded construction, uses, methods, control and testing Aug 53
Structural design
see Buildings, Concrete, Bridges, Foundations, etc
Surveying
computer controlled underwater inspection system Aug 13(N)
electronic distance measurement in the Andes Nov 23
electronic equipment Dec 30
mapping contract awarded, Saudi Arabia Aug 15(N)
thermography and its uses Aug 25
underground services location Mar 39, May 8(N)
Testing
brick diaphragm walls, 2000T rig Nov 10(N)
crane testing centre opened Aug 15(N)
CTMA and concrete testing machines Nov 10(N)
for fine resistance Aug 41
pipes, review of non-destructive methods Jun 55
thermography and its uses Aug 25
of welding Aug 53
Timber
for sea defences Sep 17
large span roof trusses Nov 15(N)
Training
CITB and its work Jan 15
of engineers Feb 7(N)
SOS calls for increase Oct 9(N)
Transport
goods by pipeline system, Japan Apr 12(N)
new forms demonstrated, Australia Jan 11(N)
study commissioned, Hong Kong Sep 11(N)
to the Middle East Apr 53, Jun 13(N)
see also Railways, Roads
Tunnelling
concrete pumping in tunnels Sep 35
contracts awarded for sewers and telephone services Jun 9(N)
Dartford second, completion in sight Mar 13
Dinorwic steelwork contract awarded Jun 11(N)
design of resin anchor systems Oct 71
exports for Hong Kong metro project May 12(N), Jun 9(N), Nov 13(N)
exports for Iran metro project Jun 13(N)
feasibility study commissioned, Hong Kong Aug 15(N)
largest ever tunnel elements for underwater rail tunnel, Netherlands Nov 11(N)
Megget Water Scheme Sep 8(N)
pumped storage scheme, tunnelling under the Hottentot Holland mountains, South Africa Feb 12
rock tunnelling for metro, Finland Jan 11(N)
shaft sinking contracts awarded, Selby coalfield Dec 13(N)
shield supply contract awarded, Sicily Aug 17(N)
Suez construction start Mar 10(N)
Underground services
checking by thermography Aug 25
contracts awarded Jun 9(N)
electromagnetic location Mar 39, May 8(N)
road trench reinstatement, research Nov 13(N)
see also Pipes, Sewers, Water Supply
Underwater working
see Offshore working, Reservoirs
Vibroflotation
experience accumulated in Manchester Mar 29
Water supply
company name change Nov 13(N)
computer modelling of borehole obstruction Nov 29
computer planning and control of supply system Feb 33
disinfected pipe jointing lubricant accepted by DoE Jun 67
in the Middle East Oct 55
irrigation system, Sudan Oct 13(N)
mains, the National Assessment May 49
Megget Water Scheme Sep 8(N), Nov 10(N)
by open Trench, Bahrain Oct 13(N)
reservoirs and water treatment works contracts awarded, Saudi Arabia Apr 12(N)
river bed pipeline Kent, soils investigation Aug 17(N)
search for resources in Algeria Feb 9(N)
service trench reinstatement in roads, research Nov 13(N)
subsea pipeline laid by towing method, Turkey Sep 8(N)
See also Reservoirs, Pipes
Waterproofing
see Corrosion prevention
Welding construction
uses, methods, defects, control, testing Aug 53
Wellpointing
see also Geotechnics

PRODUCTS

The month is followed by the page number. PWS indicates the Public Works exhibition Supplement, published in November. Some items marked PWS also appeared in the September and October issues. (2) or (3) indicate more than one item on that page.

Access platforms and systems – see Scaffolding
Accommodation, temporary site Jan 61, 63, Feb 57, Apr 45, 77, Sep 26, Dec 67, 3, PWS 5
Adhesives Aug 77, Sep 95, Dec 71
Aggregate processing plant – see also Conveyors May 73, Aug 78, Sep 75, 93, Nov 39, 58, 59, Dec 75
Agricultural plant – see Horticultural plant
Asbestos encapsulation Jun 75, Sep 93
Asphalt – see Bitumens, Roads
Bitumen
pump Oct 29, PWS 3
sprayers Sep 21, Oct 25, PWS 2, 6
see also Roads, Waterproofing
Breakers – see also Bursters Jan 60, 61, Feb 59, Sep 23, 26, 95, Oct 29, 89, Nov 54, 58, Dec 67, PWS 1 (2), 3
Bricks and Blocks Nov 89
Bridge nosing system Jan 63
Building supplies
anchor rails Sep 75
anti-siphon trap Dec 73
anti-vandal glazing Nov 93
damp proof courses Aug 77, Nov 91, Dec 75
GRP dormer units Aug 77
hardboard Jan 63
wall tiles Nov 93
window and door system Oct 31
wiring ducts Jun 75
see also floors, waterproofing, pipes finishes, timber
Building systems
GRC Apr 75
Bulldozer
see also loading shovels, May 75
Bursters Jun 75
Calculators Jun 74, Nov 94, Dec 69
Cladding Apr 75, Aug 75, Sep 93, Oct 85, Nov 89, 95
Cleaning
steel, de-rusting Apr 71

see also Washers, Roads
Compaction plant — Feb 57, 59, May 23, 73, Oct 25, 27, 31, Nov 35, PWS 4, 6, 7
Compactors, waste — Nov 44, 59
Compressors
hydraulic alternative — Mar 79, Nov 39
pneumatic — Feb 57 (2), May 75, Jun 72, Sep 91, Oct 27, 29, Nov 54, Dec 70, PWS 3, 4

Computer
plotter — Dec 71
programs — Mar 77, Apr 75, Dec 69

Concrete and cement
block maker — Nov 54
bonding agent — Sep 95
electronic batching — Sep 77
epoxy bedding mortars — Aug 75, Oct 89
GRC applications and research — Apr 71, 75 (2), Oct 81, 89
groover and cutter — Sep 21
grouting compounds pumps — Sep 75, 77, 93
handling steel fibre reinforcing — Apr 71
lightweight aerated — Sep 75
mixers, static and self-loading — Apr 78, Jun 74, Sep 43, 77 (2), Oct 27 Nov 35, 43 PWS 4
mixers, truck and mobile batcher — May 75, 77, Sep 75
mortar mixing plant — Sep 77
precast floors — Apr 10
precast repair kit — Dec 75
pumps — Jan 64, May 73, Jun 74, Sep 33, 77 (2), Nov 39, 54
reinforcement cutter and bender — Sep 97
retarder admixture — Aug 77
scabbling, water jets — Mar 75
screeding and finishing equipment — Mar 81, Sep 75 (2)
sprayed, structural reinforced concrete — Feb 59, Dec 71
vibrators — Oct 23, 27
Conveyors — Aug 75, Sep 24, 93, Oct 29, 31, Nov 45, PWS 2, 3, 8
Corrosion prevention — Jan 61, Apr 71, 77, Oct 81, Nov 58, 93, 97

Cranes
clamshell grab — Jun 27
dragline — Nov 87
instrumentation — Apr 77
mobile, lorry mounted — Jan 65, Feb 59, Sep 23 (2), Oct 87, Nov 35, 87, PWS 1 Apr
tower — Apr 73
Crushing plant
see Aggregate processing plant

Demolition equipment — Mar 79, Nov 54
see also Breakers
Descalers — Feb 61, Nov 89
Dragline — Nov 87
Drains
see Manholes, Pipes, Sewers
Dredger — Apr 11
Drill
bits — Nov 45
diamond, hydraulic, trailer mounted — Jun 72
hand, electric and pneumatic — Sep 75, 91, 93, Oct 27, Dec 67
hoist and derrick — Jun 74
rigs — Jan 63, Aug 80, Sep 21, 95, PWS 4, 5 Oct 27, Dec 75
rock auger — Oct 83
Dumpers — Jan 65, Jun 74, Oct 27, Nov 39, 43, PWS 4

Earthmoving
see Bulldozer, Excavators, Loading shovels, Scrapers
Electrical equipment — Jun 75, Dec 73
Electric vehicles — Sep 23, 24, PWS 1

Elevators
see Conveyors
Engines
petrol and diesel — Aug 80, Sep 23, 95, Oct 21, 23, 25, Nov 43, 44 Dec 70, PWS 1, 2, 6

Excavators
amphibious — Sep 23
clamshell grab — Jun 27
crawler — Jan 63, Feb 15, May 77, Sep 95, Nov 35, 43, 58
dragline — Nov 87
face shovels — Sep 23
trenchers — Jun 53, Sep 21, PWS 7
wheeled — Feb 59, Sep 26, PWS 5

Fabrics for construction — Oct 21, 27, PWS 2

Fibre reinforcement
see Concrete
Finishes
laminate panels — Oct 85
paints and polyurethane — Apr 77, Sep 93, Nov 9 (2), 97
resin materials — Aug 77
see also Floors and Cladding
Fire protection -- for steel — Aug 77
Fixings — Sep 75, Oct 81, Nov 94, Dec 71

Floors
instant repairs — Mar 79, Jun 75
precast — May 10
screeding and finishing — Mar 81, Sep 75 (2), Oct 89, Nov 91, 93, Dec 75
Flow recorder — Oct 87
Forklifts — Jan 64, May 16, Jun 29, 72, 74, Sep 24, 97, 99, Nov 45, 87 (2), 89 PWS 1
Forklift attachments — Sep 95, Oct 81, 83
Formwork and falsework — Jan 64, Dec 69
see also Scaffolding
Foundation stabilisation — Jan 61

Gas detectors and samplers — Sep 99, Nov 93, 95

Generators
sets — Jan 65, Apr 78, Oct 25, 31 (2), 85, PWS 6, 8 (2)
weather protection for — Feb 61
Geotechnology — Jan 61, Mar 77, Sep 77
see also Drills
Glassfibre Reinforced Cement
see Concrete
Grinders — Aug 77, Sep 93, 98
Gritters — Sep 95, Oct 23
Groover — Sep 21, PWS 8
Grouting, compounds, pump — Sep 75, 77, 93
Gully emptiers — Oct 85, Nov 39, 44

Hammers, pneumatic and hydraulic
see Breakers
Handtools
cartridge tools — Sep 75
descaler — Feb 61
grinders — Aug 77, Sep 93 98, Nov 58
hoist, manual — Dec 67
ladder support — Dec 67
pipe bender — Feb 61
saws, routers, etc — Jun 75, Sep 93, Nov 58, PWS 8
suction cups — Aug 78
ballbarrow — Feb 59
Heaters, gas radiant — Sep 95, Dec 1
Hoist, manual — Dec 67
Horticultural plant — Jan 60, Sep 26, Oct 23, 89, PWS 5, 7

Hose, reinforced — Oct 81
Instruments
flow recorder — Oct 87
for cranes — Apr 77
moisture meter — Dec 4
pedometer — Jun 75
strain gauge — Sep 98
tachometer, structural vibrations — Aug 80
Insulation
thermal — Jan 61, Aug 75, Sep 93, Nov 91, 97, Dec 71
acoustic — Nov 91
asbestos encapsulation — Jun 75, Sep 93
frost protection tape — Dec 70
thermography, — Aug 25
Joint sealants — Sep 77, 91 (2)
Kerbs
epoxy bedding mortar — Aug 75
slipformer — Jan 60
Ladders, safer standing — Dec 67
Lighting — Aug 80, Sep 95, 97, Oct 83, Nov 44

Line markers -- see Roads
Loading shovels
crawler, side tipping — Jan 63, Mar 79
skid steer — Aug 75
wheeled — Jan 60, Mar 75, 77, Apr 75 May 16, Sep 26, 97, Oct 23, 31, 81, Nov 89, PWS 7, 8

Lorries
low loader — Sep 93
self loading — Feb 59, Sep 23 (2), Nov 87
see also Trucks
Lubricant, aerosol grease — Jan 61
Manholes — Nov 48, 89, Dec 67

Marine and offshore working
buoys, beacons, etc — Dec 71
dredger — Apr 11
floating work platforms — May 75
submersibles — Jan 60, Apr 9, Aug 13

Materials
see Concrete, Finishes, Plastic, Steel, Timber
Materials handling
drum handling — Jun 74

rotating table Jan 60
ship unit Sep 77
slings Sep 91, Oct 25, PWS 6
spreader, off highway Jan 60
suction cups Aug 78
trailers, low loaders Sep 21, 93, Oct 25, PWS 3, 5
ballbarrow Feb 59
vacuum loader Nov 39
winches Sep 91, 97
see also Cranes, Conveyors, Dumpers Forklifts, Hoists
Metrication aid Nov 94
Moisture meter Dec 71
Office equipment
calculator program package Dec 69
electronic notebook Jun 74
Paints and polyurethanes Apr 77, Sep 93, Nov 91 (2), 97
Parking control equipment Oct 27
Paving, anti-skid Nov 93
Pedometer Jun 75
Piling equipment Jan 61, Feb 46, Oct 11, Nov 89
Pipes Jun 63, Sep 26, Oct 31, Nov 43, 89, PWS 5, 8
bending, cutting and repair equipment Feb 61, Oct 29
frost protection tape Dec 70
supports Dec 71
see also Sewers, Manholes
Plant components and controls
axles, chassis Oct 25, Nov 35, 43, PWS 6
brakes Oct 21, 89, PWS 2
cranking motors Oct 23
excavator, dozer parts Sep 26, Nov 44, 48, PWS 5, 7
filters Apr 71, Sep 21, Oct 21, PWS 2
forklift attachments Sep 95
governers Sep 23, Oct 23 PWS 4
GRP bumpers and engine covers Oct 25
heaters and cab conditioners Oct 31, Nov 59, PWS 1
hydraulics, gears, transmissions, valves Sep 26, Oct 27 (2) Nov 44, 45, 54, 94, PWS 4 (2), 5, 7
instruments Apr 77, Aug 80 Nov 35
rubber products Nov 45, 58
steel sections Oct 29, PWS 3
Plant maintenance Jan 64, Apr 71, Aug 80 (2), Sep 21, Dec 71, PWS 7
Plastics
electroplateable plastic Aug 75
GRP products Aug 77, Oct 25, Nov 89, 95, 97
Pollution control Oct, 21 PWS 2
Prefabricated accommodation
see Accommodation
Pumps Apr 78, May 73, Aug 77, 80, Sep 24, 26, 91, 97 (2), Oct 23, 27 Nov 35, 54, 58, 94, 97, Dec 71
bitumen, asphalt, etc Oct 29
lifter for submersible sewage pumps Mar 79
prefabricated pumping station Apr 73
see also Concrete pumps
Quarry plant
see Aggregate processing plant
Radio sets, two-way portable Sep 91
Refuse collection Sep 24, 77, 98, Oct 23, Nov 43, 48, PWS 7, 8
Reinforcement
see Concrete
Road construction and maintenance
asphalt additives May 67
asphalt cutter, hydraulic Apr 71
asphalt finisher Sep 95
bitumens quality control Jan 65, Mar 75, Sep 99
bitumen sprayers Sep 21, Oct 25, PWS 2, 6
chipping spreader Jan 65
concrete groovers Sep 21, PWS 8
fabrics Oct 21, 27
gritters Sep 95, Oct 23, PWS 7
gully emptiers, sweepers, suction cleaners Sep 99, Oct 29 (2), 85, Nov 39, 44, PWS 3 (2)
hazard lamps, barriers, etc Jan 65, Aug 78, Sep 26, Sep 98, Oct 21, 29, 87, Nov 44, 95, PWS 2 (2)
kerbing and precast repair kit Dec 75
line markers and removers May 75, Oct 21, Dec 70, PWS 2
pedestrian barriers Oct 81
planes Sep 77
radar speed measurement Oct 27
repaver Apr 16
road forms Apr 78
slipform/paver Jan 60
surfacing repair material Mar 99, June 75
traffic signs and signals Jan 65, Oct 27, 83, Nov 59, PWS 4
Rollers
see Compaction plant
Roofing
cladding Nov 95
felt Oct 81
repair kit Sep 91
timber Nov 15
Safety
asbestos encapsulation Jun 75, Sep 93
clothing and headgear Sep 91, 97, Oct 29, 85, Nov 97 (2), Dec 67, 69, PWS 3
harnesses Sep 23, Nov 97
ladders Dec 67
see also Roads-hazard, Trench shoring
Saws Sep 21, 93, Oct 31, PWS 8 (2)
see also Handtools
Scaffolding Feb 57, Apr 77, Sep 93, Nov 97
extendable work platforms Mar 77, May 77, Sep 23, 93, Oct 25, 31, 81, 89, Nov 39, 87, PWS 1, 6, 8
identification Aug 75, Nov 94
proplacing system Aug 80
suspended platforms Aug 13, Oct 13
Scrapers, earthmoving May 73
Sewage treatment
prefab pumping stations Apr 73
septic tanks Nov 95
sludge disposal units Oct 25
Sewer maintenance Jun 45, Oct 81, Nov 89
see also Washers
Signs and signals
see Roads
Slings Sep 91, Oct 25, PWS 6
Soil mechanics
see Geotechnology
Steel
cleaning and de-rusting Apr 71
fire protection, sprayed Aug 77
paint system Apr 77
sections Oct 29, PWS 3
steelwork galvanised Oct 81
Strain gauge Sep 98
Submersibles Jan 60, Apr 9, Aug 13
Surfacing
see Roads
Surveying
equipment Feb 57, Aug 78, Sep 98, Nov 48
thermography Aug 25
see also Underground Services, Surveying
System building
see Building systems
Tankers, effluent Oct 85, Nov 39, 44
Testing materials and components Jan 65, Apr 75, Aug 77, 78, 80 Nov 97, Dec 5
Thermometer, electronic portable Sep 99
Timber
hardboard Jan 63
protection Jun 75
Torque wrenches Feb 59
Tractor Oct 89
Traffic signs and signals
see Roads
Trailers, low loaders Sep 21, 93, Oct 29, PWS 3, 5
Trench shoring Mar 75, Jun 72, Sep 26, Oct 85, Nov 87, 94, PWS 5
Trenchers Jun 53, Sep 21, PWS 7
Trucks Feb 59, Apr 77, Oct 89, Nov 35, 44, 48
Tunnel sealing Dec 75
Tunnelling machines Feb 61, Jun 74
TV Surveys Feb 57
Tyre repair Jan 64
Underground service surveying Feb 57, Oct 85
Vibrating rollers
see Compaction plant
Vibrators
see Concrete
Washers, high pressure water jets May 77, Aug 75, Sep 24, Oct 25, 27 (2), 29, 87, Nov 39, 58, 87 (2), Dec 70 (2) PWS 2, 4, 6 (2)
Waste
compactors Nov 44, 59
see also refuse collection
Waterproofing Jan 60, Mar 81, May 57, Aug 77 Sep 91, Oct 27, 81, 85, Nov 89, 91, 93 Dec 75, PWS 4
Weather protection, generators Feb 61
Welding set Oct 83
Winches Sep 91, 97
Wheel washer Nov 54
Wheelbarrow Feb 59
Work Platforms, mobile
see Scaffolding